

C299

Total Pages : 3

Roll No.

MSCZO-502

Taxonomy & Evolution

M.Sc. Zoology (MSCZO-21)

1st Semester Examination, 2022 (June)

Time : 2 Hours]

Max. Marks : 80

Note : This paper is of Eighty (80) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

SECTION–A

(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Twenty (20) marks each. Learners are required to answer any Two (02) questions only.

(2×20=40)

1. Write the short note on any two :

(a) Chemotaxonomy.

(b) Neotaxonomy.

(c) Molecular Taxonomy.

(d) ICZN.

2. Explain the Evolution of Man.
3. Describe the Concept & theories of Evolution.
4. Explain the Models of Speciation and also explain Allopathic & Sympatric & Sexual selection.
5. Describe the Genetic Drift and Migration.

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Ten (10) marks each. Learners are required to answer any Four (04) questions only. (4×10=40)

1. What is Modern Approaches in Taxonomy?
2. Describe the Hardy-Weinberg law of Genetic Equilibrium.
3. Explain the Natural Populations and Phenotypic Variations.
4. Write the comments of Taxonomic collection, Preservation and Identification.

5. Explain the Altruism.
 6. Describe the Model Changes in Genetic Variation.
 7. What is Destabilizing Forces?
 8. Explain the Phenotypic Variations.
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